

Title: A Review of Sleep Deprivation Studies Evaluating the Transcriptome  
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Gene Symbol	Full Name	Aliases
<i>Adra1a</i>	Adrenergic, alpha-1A receptor	ALPHA1AAR, Alpha-1A adrenoreceptor
<i>Adrb2</i>	Adrenergic beta-2, receptor surface	Beta-2 adrenoreceptor, BETA2AR, catecholamine receptor, B2AR
<i>Alb</i>	albumin	serum albumin
<i>Aldoc</i>	aldolase C, fructose-biphosphate	
<i>Alox12</i>	arachidonate 12-lipoxygenase	
<i>Ania-1</i>	activity and neurotransmitter-induced early gene 1	
<i>Anp32a</i>	acidic nuclear phosphoprotein 32 family, member A	
<i>Arc</i>	activity-regulated cytoskeleton-associated protein	ARC/ARG3.1, KIAA0278
<i>Atf5</i>	activating transcription factor 5	
<i>Atg5a</i>	ATP synthase, complex V	
<i>Bdnf</i>	brain-derived neurotrophic factor	abrineurin, neurotrophin
<i>Bip</i>	binding immunoglobulin protein	Grp78, Hsp45
<i>Catr</i>	Catretulin	
<i>CatM</i>	Catmodulin	
<i>Cbs</i>	cystathione-beta-synthase	HIP4, serine sulphhydrase, beta thionase
<i>Ccn2</i>	Cyclin D2	G1/S-specific cyclin D2, KIAK0002
<i>Ccn3</i>	Cyclin D3	D3-type cyclin
<i>Cckn1a</i>	cyclin-dependent kinase inhibitor 1a	CIPI, CAP20, WAF1
<i>Cebpd</i>	CCAAT/enhancer binding protein (C/EBP), beta	LAP, TCF5, CRP2, IL6DBP
<i>CHOP</i>	DNA-damage-inducible transcript 3	GADD153, C/EBP-homologous protein
<i>Chrn2</i>	cholinergic receptor, nicotinic, beta 2 (neuronal)	EFNL3, nAChRβ2
<i>c-myc</i>	DNA for c-myc, exon 2	
<i>Ctnn1</i>	Connexin	F3, contactin 1, neuronal cell surface protein F3, GP135
<i>Ctnn</i>	Connexin	CST-14, CST-17, preprocortistain
<i>Cox1</i>	Cytochrome C oxidase subunit 1	
<i>Cox4</i>	Cytochrome C oxidase subunit 4	
<i>Crfh</i>	corticotropin-releasing hormone	CRF, corticoliberin
<i>Crhbp</i>	corticotropin-releasing hormone binding protein	CRFBP
<i>Cryab</i>	alpha B-crystallin	
<i>Csda</i>	Cold shock domain protein A	
<i>Ctrnb1</i>	catenin (cadherin-associated protein), beta 1	catenin beta-1, beta catenin
<i>Cyp4f4</i>	cytochrome P450 4F4	
<i>Dag1</i>	D of albumin bromopeptides (albumin D-box) binding protein	DABP, D-site binding protein
<i>Dclk1</i>	doubling-time kinase-like 1	CK1, CLK1, serine/threonine-protein kinase DCLK1
<i>Drd411</i>	Drosophila homolog, subfamily B, member 11	DRD4, DRd3, HEDJ
<i>Drd45</i>	Drosophila (Hsp40) homolog, subfamily B, member 5	Hsc40
<i>Drdic1</i>	Drosophila (Hsp40) homolog, subfamily C, member 1	Er81, MT1, HTJ1
<i>Drdic3</i>	Drosophila (Hsp40) homolog, subfamily C, member 3	P58, HP58, PRKR1
<i>Dusp14</i>	dual specificity phosphatase 14	MKP6, MKP-1, mitogen-activated protein kinase phosphatase 6
<i>Dusp40</i>	dual specificity phosphatase 40	MKP-2, MKP2, TYP
<i>Egr1</i>	early growth response 1	NGFL-A, Zif268
<i>Egr2</i>	early growth response 2	Krox20, AT591
<i>Egr3</i>	early growth response 3	zinc finger protein p107
<i>Egr72</i>	Endoplasmic reticulum protein 72	Erp70, Pda4
<i>Fdf1</i>	squalene synthetase	
<i>Fkbp1a</i>	FK506 binding protein, 1A 12kDa	PKC12, PP1ASE, FKBP1
<i>Fosb</i>	FBJ osteosarcoma viral oncogene B	c-fos, p55, AP-1
<i>Fra</i>	fos-related antigen 1	fra-1, fos-like antigen
<i>Fra-2</i>	fos-related antigen 2	FOSL2, FRA2
<i>Gabrb3</i>	gamma-aminobutyric acid A receptor, beta 3	GABA-alpha receptor beta-2 subunit, ECA5
<i>Gadd45a</i>	growth arrest and DNA-damage-inducible, alpha	DDIT1, GADD45
<i>Gadd45b</i>	growth arrest and DNA-damage-inducible, beta	MYD118
<i>Gas6</i>	growth potentiating factor	
<i>Gfap</i>	glial fibrillary acidic protein	
<i>Gln15b</i>	global chemokine-induced protein	
<i>Glb</i>	globular nucleoplasmin	
<i>Gnr2</i>	glutamate receptor, ionotropic, AMPA 2	GRIA2, glutamate receptor 2, GluR-B
<i>Gnr3</i>	Glutamate receptor, ionotropic, AMPA 3	GRIA3, glutamate receptor 3, GluA3
<i>Gm1</i>	Glucose transporter type I	DYT18, GLUT-1DS
<i>Gnd1</i>	glucard 3-phosphate dehydrogenase 1	GPD-C, GPDH-C
<i>Gpx3</i>	plasma glutathione peroxidase precursor	
<i>Grin2a</i>	glicentin-related interfibrillar protein	
<i>Gnra2a</i>	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	GluN2A, NMDA receptor subtype 2A
<i>Gnrg4</i>	Glucocerebrosidase protein 94	Hsp90B1
<i>Hbpa1</i>	hemoglobin, α1	HBD, beta globin chain, beta globin
<i>Homr1a</i>	homr homologue 1	Ves-1, Homer-1
<i>Hsp105</i>	heat shock 105kDa/110kDa protein 1	HSP105A, HSP105B, KIAA0201
<i>Hsp60</i>	Heat-shock protein 60	HLD4, SPG13, GROEL
<i>Hsp70</i>	Heat-shock protein 70	
<i>Hsp90ab1</i>	heat shock protein 90kDa alpha (cytosolic), class B member 1	Hsp90B, Hsp84
<i>Hspa1a</i>	heat shock 70kDa protein 1A	HSP70-1, HSPA1
<i>Hspa1b</i>	heat shock 70kDa protein 1B	HSP70-2, HSP70-1B
<i>Hspa9</i>	heat shock 70kDa protein 9 (mortalin)	Grp75
<i>Hspb1</i>	heat shock 27kDa protein 1	Hsp27
<i>Iers1</i>	immediate early responsive 5	SBB448
<i>Ifrd1</i>	interferon-related developmental regulator 1	PC4, TIS7
<i>Igk</i>	Ig kappa L-chain C-region gene	
<i>Il3</i>	interleukin-3 enhancer binding factor 3	
<i>Jnk3</i>	inositol 1,4,5-trisphosphate receptor, type 3	IP3R3, IP3R, InsP3R3
<i>Jak2</i>	janus kinase 2	JAK-2, JTK10
<i>Junb</i>	Jun B proto-oncogene	transcription factor jun-B
<i>Kcnh3</i>	potassium voltage-gated channel	
<i>Klf15</i>	Kruppel-like factor 15	
<i>Lim4</i>	Lim domain only 4	LIM domain only protein 4, breast tumor autoantigen
<i>Mapk8</i>	mitogen-activated protein kinase 8	Jnk1, SAPK1, JNK, c-Jun NH2-terminal kinase 1
<i>Mast1</i>	microsomal glutathione S-transferase 1	
<i>Mir14</i>	macrophage inhibitory factor-related protein	S100 calcium binding protein A9, CAGB, CFAG
<i>Mt1a</i>	metallothionein 1A	MT-1, MT1S, MT-1A
<i>Mt3</i>	metallothionein 3	GRIF, MT-3, GIFT, GIF
<i>Nadh2</i>	NADH dehydrogenase subunit 2	
<i>Neurod1</i>	neurogenesis differentiation factor	
<i>Ngf1-b</i>	nerve growth factor 1b	ngf1b
<i>Nhp2</i>	neuronal pentraxin II	NP-II, NP2, NARP, apelin
<i>Nop1</i>	NAD(P)H dehydrogenase, quinone 1	
<i>Nra41</i>	nuclear receptor subfamily 4, group A, member 1	HMR, NAK-1, NGFB, GFRP1, NUR77
<i>N-ras</i>	neurofibromatosis RAS viral (v-ras) oncogene homolog	NS6, ALPS4, HRAS
<i>Nrf-1</i>	GA binding protein transcription factor, beta subunit 1	nuclear respiratory factor 2, NRP2B1
<i>Nrf2</i>	nuclear factor-like 2	NFE2L2
<i>Ntr1</i>	neurotransmitter receptor 1	HNT, NTR1, HNT
<i>Ntr2</i>	neurotransmitter receptor 2	
<i>Nuprl1</i>	nucleoporin-like protein 1	nucleoporin ns8/n45
<i>Pde3</i>	protein sulfatase isomerase family A, member 3 (calreticulin)	CALR, GRP58, ERp57, ERp60
<i>Pdk2</i>	pyruvate dehydrogenase kinase 2	
<i>PERK</i>	eukaryotic translation initiation factor 2-alpha kinase 3	EIF2AK3, PEK, PRKR-like endoplasmic reticulum kinase
<i>Ppp3</i>	Protein phosphatase 3 (calmodulin)	calcineurin A alpha, CALNA, CN1, PPP2B, CALN
<i>Pros2</i>	prostaglandin-endoperoxide synthase 2	COX-2, Prostaglandin H2 synthase 2, PGHS-2
<i>Ptp4a2</i>	protein tyrosine phosphatase type IV, member 2	PTP2, HU-PP-1, OV-1
<i>Ptprn1</i>	protein tyrosine phosphatase, non-receptor type 1	PTP-1B
<i>Ret</i>	ret proto-oncogene	HSCR1, cadherin family member 12, PTC, MTC1
<i>Rpob1</i>	ribosomal protein L21	
<i>Sco2</i>	secretogranin II	Chromogranin C, secretogranin 2, CHGC, secretoneurin
<i>Sgk1</i>	serum/glucocorticoid-regulated kinase 1	
<i>Stat3</i>	signal transduction and activator of transcription 3	APRF, HIES, Acute-phase response factor
<i>Sulf1a1</i>	aryl sulfotransferase family 1A, phenol-prefering, member 1	S11a1, TSPT1, PST
<i>Syt12</i>	synaptotagmin XII	svxII, SRG1
<i>Syt4</i>	synaptotagmin IV	HST1192, KIAA1342, SytIV
<i>Taf9b</i>	TAF9B RNA polymerase II, TATA binding protein-associated factor, 31kDa DN-17, neuronal cell death-related protein, Taf9I	
<i>Thrb</i>	thyroid hormone receptor, beta	THR1, NRTA2, ERBA-beta
<i>tPA</i>	plasminogen activator, tissue	PLAT, plasminogen, retelease
<i>Trkb</i>	neurotrophic tyrosine kinase, receptor, type 2	GP145-TrkB, trkB
<i>Ucp2</i>	uncoupling protein 2	UCPH, UCP-2
<i>VAP1</i>	vesicle-associated protein	
<i>Vegfa</i>	vascular endothelial growth factor A	VEGF, VPF, MVCD1
<i>Vgrf</i>	nerve growth factor inducible	neurosecretory protein VGF
<i>Vip</i>	vasoactive intestinal peptide	PHM27
<i>Xbp-1</i>	x-box binding protein 1	XBP2, TREBS, XBP-1